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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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FILE 'HOME' ENTERED AT 12:01:48 ON 02 AUG 2004

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:02:11 ON 02 AUG 2004

FILE 'AGRICOLA' ENTERED AT 12:02:11 ON 02 AUG 2004

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=> s (steele, c? or steele c?)/au
L1 968 (STEELE, C? OR STEELE C?)/AU

=> s (bohlmann, j? or bohlmann j?)/au
L2 168 (BOHLMANN, J? OR BOHLMANN J?)/AU

=> s (croteau, r? or croteau r?)/au
L3 1420 (CROTEAU, R? OR CROTEAU R?)/AU

=> s (phillips, m? or phillips m?)/au
L4 8033 (PHILLIPS, M? OR PHILLIPS M?)/AU

=> s l1 and l2 and l3 and l4
L5 0 L1 AND L2 AND L3 AND L4

=> s l1 or l2 or l3 or l4
L6 10492 L1 OR L2 OR L3 OR L4

=> s l6 and (fir or monoterpene or camphene)
L7 784 L6 AND (FIR OR MONOTERPENE OR CAMPHENE)

=> s l7 and monoterpene(w)synthase
L8 104 L7 AND MONOTERPENE(W) SYNTHASE

=> duplicate remove l8
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L8
L9 44 DUPLICATE REMOVE L8 (60 DUPLICATES REMOVED)

=> d l9 1-10 ti

L9 ANSWER 1 OF 44 CAPLUS COPYRIGHT 2004 ACS on STN
TI Induction of volatile terpene biosynthesis and diurnal emission by methyl
jasmonate in foliage of Norway spruce

L9 ANSWER 2 OF 44 MEDLINE on STN DUPLICATE 1
TI (E)-beta-ocimene and myrcene synthase genes of floral scent biosynthesis
in snapdragon: function and expression of three terpene synthase genes of
a new terpene synthase subfamily.

L9 ANSWER 3 OF 44 MEDLINE on STN DUPLICATE 2
TI A cDNA clone for 3-carene synthase from Salvia stenophylla.

L9 ANSWER 4 OF 44 MEDLINE on STN DUPLICATE 3
TI Functional identification of AtTPS03 as (E)-beta-ocimene synthase: a

monoterpene synthase catalyzing jasmonate- and wound-induced volatile formation in *Arabidopsis thaliana*.

- L9 ANSWER 5 OF 44 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 4
- TI cDNA isolation, functional expression, and characterization of (+)-alpha-pinene synthase and (-)-alpha-pinene synthase from loblolly pine (*Pinus taeda*): stereocontrol in pinene biosynthesis.
- L9 ANSWER 6 OF 44 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
- TI Alternative termination chemistries utilized by **monoterpene** cyclases: chimeric analysis of bornyl diphosphate, 1,8-cineole, and sabinene synthases.
- L9 ANSWER 7 OF 44 MEDLINE on STN DUPLICATE 5
- TI A novel sex-specific and inducible **monoterpene synthase** activity associated with a pine bark beetle, the pine engraver, *Ips pini*.
- L9 ANSWER 8 OF 44 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Traumatic resin defense in Norway spruce (*Picea abies*): Methyl jasmonate-induced terpene synthase gene expression, and cDNA cloning and functional characterization of (+)-3-carene synthase
- L9 ANSWER 9 OF 44 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Methyl jasmonate induces traumatic resin ducts, terpenoid resin biosynthesis, and terpenoid accumulation in developing xylem of Norway spruce stems
- L9 ANSWER 10 OF 44 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Mechanism of **monoterpene** cyclization: stereochemistry of the transformation of noncyclizable substrate analogs by recombinant (-)-limonene synthase, (+)-bornyl diphosphate synthase, and (-)-pinene synthase

=> d his

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L4 8033 S (PHILLIPS, M? OR PHILLIPS M?)/AU
L5 0 S L1 AND L2 AND L3 AND L4
L6 10492 S L1 OR L2 OR L3 OR L4
L7 784 S L6 AND (FIR OR MONOTERPENE OR CAMPHENE)
L8 104 S L7 AND MONOTERPENE(W) SYNTHASE
L9 44 DUPLICATE REMOVE L8 (60 DUPLICATES REMOVED)

=> s l9 and camphene(w)synthase

L10 2 L9 AND CAMPHENE(W) SYNTHASE

=> s l6 and camphene(w)synthase

L11 5 L6 AND CAMPHENE(W) SYNTHASE

=> s l10 or l11

L12 5 L10 OR L11

=> duplicate remove l12
 DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'
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 PROCESSING COMPLETED FOR L12
 L13 2 DUPLICATE REMOVE L12 (3 DUPLICATES REMOVED)

=> d l13 1-2 ti

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Cloning and sequences of **monoterpene** synthases from grand
fir (*Abies grandis*) and their use for alteration of
monoterpene levels and composition of plant seeds

L13 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
 TI cDNA cloning, characterization, and functional expression of four new
monoterpene synthase members of the Tpsd gene family
 from grand **fir** (*Abies grandis*).

=> d l13 1-2 bib

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:78490 CAPLUS
 DN 134:143867
 TI Cloning and sequences of **monoterpene** synthases from grand
fir (*Abies grandis*) and their use for alteration of
monoterpene levels and composition of plant seeds
 IN **Steele, Christopher L.; Bohlmann, Joerg**; Croteau,
 Rodney B.; **Phillips, Michael A.**
 PA Washington State University Research Foundation, USA
 SO PCT Int. Appl., 175 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001007565	A2	20010201	WO 2000-US20264	20000724
	WO 2001007565	A3	20020510		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,				
	HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				
	LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,				
	SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,				
	YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,				
	DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	WO 9902030	A1	19990121	WO 1998-US14528	19980710
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP,				
	KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,				
	NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,				
	UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
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	FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				
	CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6429014	B1	20020806	US 1999-360545	19990726
	AU 2000062382	A5	20010213	AU 2000-62382	20000724
	EP 1220899	A2	20020710	EP 2000-948965	20000724
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1997-52249P	A2	19970711		
	WO 1998-US14528	A2	19980710		
	US 1999-360545	A2	19990726		

L13 ANSWER 2 OF 2 MEDLINE on STN DUPLICATE 1
AN 1999373092 MEDLINE
DN PubMed ID: 10441373
TI cDNA cloning, characterization, and functional expression of four new
monoterpene synthase members of the Tpsd gene family
from grand **fir** (*Abies grandis*).
AU **Bohlmann J; Phillips M; Ramachandiran V; Katoh S;**
Croteau R
CS Institute of Biological Chemistry and Department of Biochemistry and
Biophysics, Washington State University, Pullman, Washington, 99164-6340,
USA.
SO Archives of biochemistry and biophysics, (1999 Aug 15) 368 (2) 232-43.
Journal code: 0372430. ISSN: 0003-9861.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199909
ED Entered STN: 19990925
Last Updated on STN: 19990925
Entered Medline: 19990909

=> d his

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FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
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L2 168 S (BOHLMANN, J? OR BOHLMANN J?)/AU
L3 1420 S (CROTEAU, R? OR CROTEAU R?)/AU
L4 8033 S (PHILLIPS, M? OR PHILLIPS M?)/AU
L5 0 S L1 AND L2 AND L3 AND L4
L6 10492 S L1 OR L2 OR L3 OR L4
L7 784 S L6 AND (FIR OR MONOTERPENE OR CAMPHENE)
L8 104 S L7 AND MONOTERPENE(W)SYNTHASE
L9 44 DUPLICATE REMOVE L8 (60 DUPLICATES REMOVED)
L10 2 S L9 AND CAMPHENE(W)SYNTHASE
L11 5 S L6 AND CAMPHENE(W)SYNTHASE
L12 5 S L10 OR L11
L13 2 DUPLICATE REMOVE L12 (3 DUPLICATES REMOVED)

=> s camphene(s)synthase

L14 16 CAMPHENE(S) SYNTHASE

=> s l14 not l12

L15 11 L14 NOT L12

=> duplicate remove l15

DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L15

L16 6 DUPLICATE REMOVE L15 (5 DUPLICATES REMOVED)

=> d l16 1-6 ti

L16 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN

TI Mechanism of monoterpene cyclization: stereochemistry of the
transformation of noncyclizable substrate analogs by recombinant
(-)-limonene synthase, (+)-bornyl diphosphate synthase, and (-)-pinene
synthase

L16 ANSWER 2 OF 6 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 1
 TI Monoterpene synthase activities in leaves of *Picea abies* (L.) Karst. and *Quercus ilex* L.

L16 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Monoterpene synthases from common sage and their cDNA isolation, characterization, and functional expression

L16 ANSWER 4 OF 6 MEDLINE on STN DUPLICATE 2
 TI Monoterpene synthases from common sage (*Salvia officinalis*). cDNA isolation, characterization, and functional expression of (+)-sabinene synthase, 1,8-cineole synthase, and (+)-bornyl diphosphate synthase.

L16 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Sesquiterpene synthases from grand fir (*Abies grandis*). Comparison of constitutive and wound-induced activities, and cDNA isolation, characterization, and bacterial expression of δ -selinene synthase and γ -humulene synthase

L16 ANSWER 6 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
 TI Monoterpene biosynthesis: isotope effects associated with bicyclic olefin formation catalyzed by pinene synthases from sage (*Salvia officinalis*).

=> d 116 1-6 bib

L16 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:856562 CAPLUS
 DN 138:183016
 TI Mechanism of monoterpene cyclization: stereochemistry of the transformation of noncyclizable substrate analogs by recombinant (-)-limonene synthase, (+)-bornyl diphosphate synthase, and (-)-pinene synthase
 AU Schwab, W.; Williams, D. C.; Croteau, R.
 CS Lehrstuhl fur Lebensmittelchemie, Universitat Wurzburg, Wurzburg, 97074, Germany
 SO Journal of Molecular Catalysis B: Enzymatic (2002), 19-20, 415-421
 CODEN: JMCEF8; ISSN: 1381-1177
 PB Elsevier Science B.V.
 DT Journal
 LA English
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 6 CABA COPYRIGHT 2004 CABI on STN DUPLICATE 1
 AN 2000:117905 CABA
 DN 20000613042
 TI Monoterpene synthase activities in leaves of *Picea abies* (L.) Karst. and *Quercus ilex* L
 AU Fischbach, R. J.; Zimmer, I.; Steinbrecher, R.; Pfichner, A.; Schnitzler, J. P.
 CS Fraunhofer-Institut fur Atmospharische Umweltforschung, Kreuzeckbahnstr, 19, D-82467 Garmisch-Partenkirchen, Germany.
 SO Phytochemistry, (2000) Vol. 54, No. 3, pp. 257-265. 32 ref.
 ISSN: 0031-9422
 DT Journal
 LA English
 ED Entered STN: 20001006
 Last Updated on STN: 20001006

L16 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:223012 CAPLUS

DN 130:248763
 TI Monoterpene synthases from common sage and their cDNA isolation,
 characterization, and functional expression
 IN Croteau, Rodney Bruce; Wise, Mitchell Lynn; Katahira, Eva Joy; Savage,
 Thomas Jefferson
 PA Washington State University Research Foundation, USA
 SO PCT Int. Appl., 260 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9915624	A1	19990401	WO 1998-US20120	19980925
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 5891697	A	19990406	US 1997-937540	19970925
	CA 2304799	AA	19990401	CA 1998-2304799	19980925
	AU 9895096	A1	19990412	AU 1998-95096	19980925
	AU 741619	B2	20011206		
	EP 1017788	A1	20000712	EP 1998-948548	19980925
	R:	BE, CH, DE, FR, GB, LI, NL			
PRAI	US 1997-937540	A2	19970925		
	WO 1998-US20120	W	19980925		
RE.CNT	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L16 ANSWER 4 OF 6 MEDLINE on STN DUPLICATE 2
 AN 1998279000 MEDLINE
 DN PubMed ID: 9614092
 TI Monoterpene synthases from common sage (*Salvia officinalis*). cDNA isolation, characterization, and functional expression of (+)-sabinene synthase, 1,8-cineole synthase, and (+)-bornyl diphosphate synthase.
 AU Wise M L; Savage T J; Katahira E; Croteau R
 CS Institute of Biological Chemistry, and the Department of Biochemistry and Biophysics, Washington State University, Pullman, Washington 99164-6340, USA.
 NC GM-31354 (NIGMS)
 SO Journal of biological chemistry, (1998 Jun 12) 273 (24) 14891-9.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF051899; GENBANK-AF051900; GENBANK-AF051901
 EM 199807
 ED Entered STN: 19980723
 Last Updated on STN: 19980723
 Entered Medline: 19980713

L16 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:74560 CAPLUS
 DN 128:241051
 TI Sesquiterpene synthases from grand fir (*Abies grandis*). Comparison of constitutive and wound-induced activities, and cDNA isolation, characterization, and bacterial expression of δ -selinene synthase and γ -humulene synthase
 AU Steele, Christopher L.; Crock, John; Bohlmann, Jorg; Croteau, Rodney
 CS Inst. Biological Chem., Program Plant Physiol., Dep. Biochem. Biophysics,

Washington State Univ., Pullman, WA, 99164-6340, USA
SO Journal of Biological Chemistry (1998), 273(4), 2078-2089
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
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(2004) on STN
AN 94:48651 AGRICOLA
DN IND20400880
TI Monoterpene biosynthesis: isotope effects associated with bicyclic olefin
formation catalyzed by pinene synthases from sage (*Salvia officinalis*).
AU Wagschal, K.C.; Pyun, H.J.; Coates, R.M.; Croteau, R.
AV DNAL (381 Ar2)
SO Archives of biochemistry and biophysics, Feb 1, 1994. Vol. 308, No. 2. p.
477-487
Publisher: Orlando, Fla. : Academic Press.
CODEN: ABBIA4; ISSN: 0003-9861
NTE Includes references
CY Florida; United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

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L3 1420 S (CROTEAU, R? OR CROTEAU R?)/AU
L4 8033 S (PHILLIPS, M? OR PHILLIPS M?)/AU
L5 0 S L1 AND L2 AND L3 AND L4
L6 10492 S L1 OR L2 OR L3 OR L4
L7 784 S L6 AND (FIR OR MONOTERPENE OR CAMPHENE)
L8 104 S L7 AND MONOTERPENE(W)SYNTHASE
L9 44 DUPLICATE REMOVE L8 (60 DUPLICATES REMOVED)
L10 2 S L9 AND CAMPHENE(W)SYNTHASE
L11 5 S L6 AND CAMPHENE(W)SYNTHASE
L12 5 S L10 OR L11
L13 2 DUPLICATE REMOVE L12 (3 DUPLICATES REMOVED)
L14 16 S CAMPHENE(S)SYNTHASE
L15 11 S L14 NOT L12
L16 6 DUPLICATE REMOVE L15 (5 DUPLICATES REMOVED)

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SDIs in Caplus
NEWS 6 May 27 Caplus super roles and document types searchable in REGISTRY
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NEWS 12 AUG 02 Caplus and CA patent records enhanced with European and Japan
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=> file uspatfull

COST IN U.S. DOLLARS

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TOTAL
SESSION

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0.21

FILE 'USPATFULL' ENTERED AT 12:09:46 ON 02 AUG 2004

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 Jul 2004 (20040729/PD)

FILE LAST UPDATED: 29 Jul 2004 (20040729/ED)

HIGHEST GRANTED PATENT NUMBER: US6769133

HIGHEST APPLICATION PUBLICATION NUMBER: US2004148672

CA INDEXING IS CURRENT THROUGH 29 Jul 2004 (20040729/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 Jul 2004 (20040729/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

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>>> USPAT2 is now available. USPATFULL contains full text of the    <<<
>>> original, i.e., the earliest published granted patents or      <<<
>>> applications. USPAT2 contains full text of the latest US       <<<
>>> publications, starting in 2001, for the inventions covered in   <<<
>>> USPATFULL. A USPATFULL record contains not only the original   <<<
>>> published document but also a list of any subsequent           <<<
>>> publications. The publication number, patent kind code, and    <<<
>>> publication date for all the US publications for an invention  <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                       <<<
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>>> USPATFULL and USPAT2 can be accessed and searched together    <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to       <<<
>>> enter this cluster.                                           <<<
>>>                                                                <<<
>>> Use USPATALL when searching terms such as patent assignees,   <<<
>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.                        <<<
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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (steele, c? or steele c?)/au

66 STEELE, C?/AU

66 STEELE C?/AU

L1 66 (STEELE, C? OR STEELE C?)/AU

=> s (bohlmann, j?or bohlmann j?)/au

'?' TRUNCATION SYMBOL NOT VALID WITHIN 'BOHLMANN, J?OR BOHLMANN J?'

The truncation symbol ? may be used only at the end of a search

term. To specify a variable character within a word use '!', e.g.,

'wom!n' to search for both 'woman' and 'women'. Enter "HELP

TRUNCATION" at an arrow prompt (=>) for more information.

=> s (bohlmann, j? or bohlmann j?)/au

11 BOHLMANN, J?/AU

11 BOHLMANN J?/AU

L2 11 (BOHLMANN, J? OR BOHLMANN J?)/AU

=> s (croteau, r? or croteau r?)/au

37 CROTEAU, R?/AU

37 CROTEAU R?/AU

L3 37 (CROTEAU, R? OR CROTEAU R?)/AU

=> s (phillips, m? or phillips m?)/au

317 PHILLIPS, M?/AU

317 PHILLIPS M?/AU

L4 317 (PHILLIPS, M? OR PHILLIPS M?)/AU

=> s l1 and l2 and l3 and l4

L5 1 L1 AND L2 AND L3 AND L4

=> d l5 bib

L5 ANSWER 1 OF 1 USPATFULL on STN
AN 2003:251075 USPATFULL
TI Monoterpene synthases from grand fir (abies grandis)
IN **Steele, C.L.**, Ardmore, OK, UNITED STATES
 Bohlmann, Joerg, Jena, GERMANY, FEDERAL REPUBLIC OF
 Croteau, Rodney B., Pullman, WA, UNITED STATES
 Phillips, Michael A., Moscow, ID, UNITED STATES
PA Washington State University Research Foundation (U.S. corporation)
PI US 2003175861 A1 20030918
AI US 2001-25145 A1 20011219 (10)
RLI Division of Ser. No. US 1999-360545, filed on 26 Jul 1999, GRANTED, Pat.
No. US 6429014 Continuation-in-part of Ser. No. WO 1998-US14528, filed
on 10 Jul 1998, PENDING
PRAI US 1997-52249P 19970711 (60)
DT Utility
FS APPLICATION
LREP CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC, 1420 FIFTH AVENUE, SUITE
2800, SEATTLE, WA, 98101-2347
CLMN Number of Claims: 90
ECL Exemplary Claim: 1
DRWN 25 Drawing Page(s)
LN.CNT 5867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l1 or l2 or l3 or l4

L6 422 L1 OR L2 OR L3 OR L4

=> s l6 and camphene(w) synthase

1261 CAMPHENE

15368 SYNTHASE

3 CAMPHENE(W)SYNTHASE

L7 2 L6 AND CAMPHENE(W)SYNTHASE

=> d l7 1-2 bib

L7 ANSWER 1 OF 2 USPATFULL on STN
AN 2003:251075 USPATFULL
TI Monoterpene synthases from grand fir (abies grandis)
IN **Steele, C.L.**, Ardmore, OK, UNITED STATES
 Bohlmann, Joerg, Jena, GERMANY, FEDERAL REPUBLIC OF
 Croteau, Rodney B., Pullman, WA, UNITED STATES
 Phillips, Michael A., Moscow, ID, UNITED STATES
PA Washington State University Research Foundation (U.S. corporation)
PI US 2003175861 A1 20030918
AI US 2001-25145 A1 20011219 (10)
RLI Division of Ser. No. US 1999-360545, filed on 26 Jul 1999, GRANTED, Pat.
No. US 6429014 Continuation-in-part of Ser. No. WO 1998-US14528, filed
on 10 Jul 1998, PENDING
PRAI US 1997-52249P 19970711 (60)
DT Utility
FS APPLICATION
LREP CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC, 1420 FIFTH AVENUE, SUITE
2800, SEATTLE, WA, 98101-2347
CLMN Number of Claims: 90
ECL Exemplary Claim: 1
DRWN 25 Drawing Page(s)
LN.CNT 5867
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 2 USPATFULL on STN
AN 2002:194743 USPATFULL
TI Monoterpene synthases from grand fir (Abies grandis)
IN **Steele, C. L.**, Ardmore, OK, United States

Bohlmann, Joerg, Jena, GERMANY, FEDERAL REPUBLIC OF
Croteau, Rodney B., Pullman, WA, United States
PA Washington State University Research Foundation, Pullman, WA, United
States (U.S. corporation)
PI US 6429014 B1 20020806
AI US 1999-360545 19990726 (9)
RLI Continuation-in-part of Ser. No. WO 1998-US14528, filed on 10 Jul 1998
PRAI US 1997-52249P 19970711 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Bui, Phuong T.
LREP Christensen O'Connor Johnson Kindness PLLC
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 25 Drawing Figure(s); 25 Drawing Page(s)
LN.CNT 5595
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 12:09:26 ON 02 AUG 2004)

FILE 'USPATFULL' ENTERED AT 12:09:46 ON 02 AUG 2004

L1 66 S (STEELE, C? OR STEELE C?)/AU
L2 11 S (BOHLMANN, J? OR BOHLMANN J?)/AU
L3 37 S (CROTEAU, R? OR CROTEAU R?)/AU
L4 317 S (PHILLIPS, M? OR PHILLIPS M?)/AU
L5 1 S L1 AND L2 AND L3 AND L4
L6 422 S L1 OR L2 OR L3 OR L4
L7 2 S L6 AND CAMPHENE (W) SYNTHASE

=> s camphene(w) synthase

1261 CAMPHENE

15368 SYNTHASE

L8 3 CAMPHENE (W) SYNTHASE

=> s l8 not l7

L9 1 L8 NOT L7

=> d l9 bib

L9 ANSWER 1 OF 1 USPATFULL on STN
AN 2002:99102 USPATFULL
TI Directed evolution of biosynthetic and biodegradation pathways
IN Schmidt-Dannert, Claudia, Shoreview, MN, UNITED STATES
Arnold, Frances H., Pasadena, CA, UNITED STATES
PA CALIFORNIA INSTITUTE OF TECHNOLOGY (U.S. corporation)
PI US 2002051998 A1 20020502
AI US 2000-733759 A1 20001208 (9)
PRAI US 1999-169594P 19991208 (60)
US 2000-211894P 20000614 (60)
DT Utility
FS APPLICATION
LREP DARBY & DARBY P.C., 805 Third Avenue, New York, NY, 10022
CLMN Number of Claims: 31
ECL Exemplary Claim: 1
DRWN 13 Drawing Page(s)
LN.CNT 4167
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

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L5 1 S L1 AND L2 AND L3 AND L4
L6 422 S L1 OR L2 OR L3 OR L4
L7 2 S L6 AND CAMPHENE(W)SYNTHASE
L8 3 S CAMPHENE(W)SYNTHASE
L9 1 S L8 NOT L7

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.78

11.99

STN INTERNATIONAL LOGOFF AT 12:13:27 ON 02 AUG 2004